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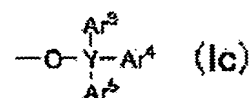
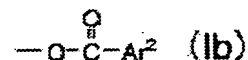
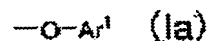
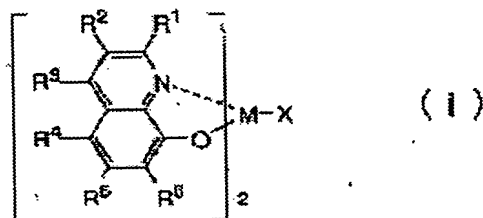
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## (54) ORGANIC ELECTROLUMINESCENT ELEMENT

(57)Abstract:

PROBLEM TO BE SOLVED: To improve a luminescence efficiency of an organic electroluminescent element utilizing phosphorescence luminescence and to secure a driving stability of the same.

SOLUTION: In an organic electroluminescent element having an anode, a luminous layer, and cathode laminated on a substrate in order, the luminous layer contains a compound having N-phenylcarbazole skeleton as a principal component and an organic metal complex including at least one kind of metal selected from group 7 or 11 of the periodic table as a sub component and a blocking layer containing a compound expressed in the following general formula (I) is included between the luminous layer and the cathode. (R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup>, R<sup>4</sup>, R<sup>5</sup> and R<sup>6</sup> are each hydrogen atom or optional substituent and M represents a metal atom selected from aluminum, gallium and indium. X is expressed as one of formulae (1a), (1b), (1c) shown below). (Ar<sup>1</sup>, Ar<sup>2</sup>, Ar<sup>3</sup>, Ar<sup>4</sup> and Ar<sup>5</sup> are each an aromatic hydrocarbon group containing a substituent or an aromatic heterocyclic group containing a substituent, and Y represents silicon or germanium).



## LEGAL STATUS

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